

| | DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS | | | | | | | |
|---|-----------------|--------------|--------------|---------------------------------|--------------|-----------------|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | |
| C | CO PROFESSIONAL | | | | | | | | | | | | |
| | REGIS | STERED ENGIN | NEER - CIVIL | No | | | | | | | | | |
| | PLAI | NS APPROVAL | DATE | STATE | OF CALIF | ORMIA | | | | | | | |

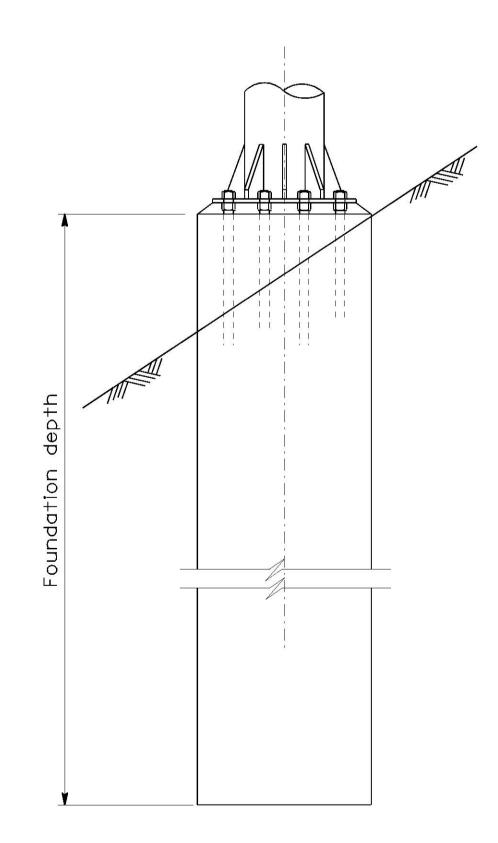
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OVERHEAD TRUSS - PILE FOUNDATION DEPTH (m)

| Γ | | | | | | | | | | | | | | | | | | | |
|------------|------------|---------------------|--------------------------|--------------|------------------|---|--------------|--------------|--------------|--------------|--------------|------|-----|--------------|--------------|----------|--------------|--------------|---------------|
| | | | | | POST TYPE | SINGLE POST TYPE | | | | | | | | | TWO | POST | TYPE | IN . | |
| | | | | | | II | III | ΙV | ٧ | VI | VII | VIII | I-S | II-S | III-S | IV-S | V-S | VI-S | VII-S |
| SOIL RANGE | ببر ببر | — I45 — | — I5 — | - 72 -{ | FOUNDATION DEPTH | 4.0 | 4.3 | 4.3 | 4.6 | 4.6 | 5.8 | 6.4 | 4.9 | 4.9 | 5.5 | 5.8 | 6 . l | 7.9 | 7.9 |
| | RANG | – 85 – | <u> </u> | 45 | | 4.6 | 4.9 | 5.2 | 5.5 | 5.5 | 6.7 | 7.6 | 5.8 | 5.8 | 6.4 | 6.7 | 7.6 | IO.I | 10.1 |
| | SOIL | - 60 - 30 | — 6 — | 30 | | 4.9 | 5.5 | 5.8 | 6.1 | 6.1 | 7.9 | 9.1 | 6.7 | 6.7 | 7.3 | 7.9 | 8.8 | ∥. 9 | II . 9 |
| | Low | + 30 + wer value | -3 + 15 + 15 les require | PILE DIA. | I . 4 | I.4 | I . 4 | I . 4 | I . 5 | I . 5 | I . 5 | 1.4 | 1.4 | I . 4 | I . 4 | <u>5</u> | 5 | I . 5 | |
| | | | | | PILE REINF | PILE REINF See Standard Plans - Sign Plans | | | | | | | | | | | | | |

NOTE:

The purpose of this chart is to aid the designer in selecting a CIDH pile foundation depth at locations where a soil investigation has been made. A soil investigation in required when the existing soil is not equal to freeway fill material. For weak soil conditions such as bay mud, the usual foundation is a driven pile type. This foundation should be designed by the Division of Structures. Special soil investigations to provide shorter CIDH piles are usually not economical.



Standard penetration blow. 305 mm of penetration. (Both clay and sandy soils

PILE FOUNDATION

NOTE: For details of pile not shown, see Standard Plans

THIS SHEET NOT A PART OF CONTRACT PLANS

OVERHEAD SIGNS-TRUSS

PILE FOUNDATION DEPTH SELECTION